

# HOMEWORK: SCIENTIFIC NOTATION

## Part I: Write in standard form:

|                            |                            |
|----------------------------|----------------------------|
| 1.) $5.382 \times 10^{-4}$ | 2.) $7.874 \times 10^3$    |
| 3.) $3.125 \times 10^4$    | 4.) $8.262 \times 10^{-3}$ |
| 5.) $9.161 \times 10^{-6}$ | 6.) $6.786 \times 10^{-5}$ |
| 7.) $7.657 \times 10^5$    | 8.) $2.648 \times 10^1$    |

## Part II: Write in scientific notation

|                |                |
|----------------|----------------|
| 9.) 7,156,000  | 10.) 0.00218   |
| 11.) 0.0007759 | 12.) 2,262,000 |
| 13.) 748,000   | 14.) 0.0008846 |
| 15.) 600,000   | 16.) 0.000034  |

## Part III: Choose ALL true statements.

|  |                          |                        |
|--|--------------------------|------------------------|
| 17.) Select all statements that have a value less than 6.                            |                          |                        |
| a.) $1.3 \times 10^0$  | b.) $4.7 \times 10^5$    | c.) $2.6 \times 10^1$  |
| d.) $9.5 \times 10^{-4}$   | e.) $7.2 \times 10^{-2}$ | f.) $3.6 \times 10^8$  |
| 18.) Select all statements that are <i>correctly</i> written in scientific notation. |                          |                        |
| a.) $11.2 \times 10^1$   | b.) $3.8 \times 10^{-5}$ | c.) $0.6 \times 10^9$  |
| d.) $19.5 \times 10^{-6}$  | e.) $9.4 \times 10^{-3}$ | f.) $13.0 \times 10^7$ |